Vision™ Model 150 LightAmp™
DLP™ Home Theater Projector

Vidikron's Vision™ Model 150 LightAmp™ projector brings our most advanced technology, plus 1080p resolution and the world's first THX* home video products together in truly awesome fashion.

The Vision Model 150 uses a new, ingeniously engineered 3-chip DLP™ light engine, combined with an advanced Xenon LightAmp™ illumination system to bring astoundingly high performance and ultra high resolution to the very best home theaters on the planet.

The Vision Model 150 uses a 1.2 kW Xenon lamp to produce our brightest 1080p picture ever. Four high precision zoom lenses are available with broad motorized horizontal and vertical lens shift capability. Vidikron engineers have ensured that light is efficiently culminated through the implementation of our advanced V2™ technology and have also engineered ISF™ calibration standards into these projectors.

The Vision Model 150 is furnished with Vidikron's newest, next-generation, all-digital VHD controller, featuring our state-of-the-art Imagix™ video processing, superb scaling, and the industry's most advanced aspect ratio control system.

Our exclusive CineWide™ and CineWide™ with AutoScope™ options are also available, to fill the entire screen for true 2.35:1 widescreen movie enjoyment while preserving every pixel of resolution and eliminating distracting black bars.

THX

vidikron®
Going Beyond Home Theater™

Specifications	Vision™ Model 150
Projector Type:	Digital Light Processing™ (DLP™), 3-chip, 16:9 LightAmp™ DMD's™
Native Resolution:	1920 x 1080 (1080p)
Aspect Ratio:	Determined by Supplied Video Processor
Video Standards:	See controller specs
DTV Compatibility:	480p, 720p, 1080i, 1080p
Scan Frequency:	Horizontal: 15–120 KHz Vertical: 23.97–150 Hz
Picture Size (16:9 Screen):	Recommended Width: 72 – 240 in. Maximum Width: 360 in.
Throw Distance (Factor x Screen Width):	B: Zoom 1.40–1.60 C: Zoom 1.70–2.25 D: Zoom 2.40–3.97 (with CineWide 1.81 to 3.05 with 2.35:1 screen) E: Zoom 4.20 - 6.57 (with CineWide 3.20 to 5.04 with 2.35:1 screen)
Horizontal and Vertical Offset:	Horizontal: +/- 20 to 22% Vertical: 60% above or below center of screen (Lens options B to E with ceiling mount. Vertical specifications are with horizontal shift at center. Horizontal specifications are with no vertical shift used. Amount of available shift varies per lens. Contact Vidikron technical support for installation details.)
Light Output:	CSMS™* Specifications: Home Theater Calibration: 3517 ANSI Lumens; 102 Foot-Lamberts (fL). 6000 ANSI Lumens
Contrast Ratio:	CSMS* Contrast Ratio: 224:1–275:1; 1500:1–2000:1 ANSI
Lamp:	1200W Xenon
Estimated Lamp Life:	1000 hours
Inputs:	(1) DVI with HDCP; RS-232
Power Requirements:	200-240V AC, 50/60Hz, 2100W *(Note: Will not operate with 110VAC)*
Operating Environment:	40° – 95° F, (5° – 35° C), 0% – 90% Humidity (non-condensing)
Dimensions (w/o feet):	Width: 28 13/16 in. (731.52 mm) Depth: 25 15/16 in. (657.86 mm) Height: 13 1/2 in. (342.90 mm) Weight: 140 lbs. (63.50 kg)
Regulatory Approvals:	Complies with FCC, CE C-Tick
Limited Warranty:	Projector: Two (2) years parts and labor from the date of delivery to the end user. Lamp Warranty: 1000 hours or six (6) months, whichever comes first.

VHD Controller/Processor	
Aspect Ratios:	4:3, Letterbox, 16:9, IntelliWide, Cinema, IntelliWide 2.35
Video Standards:	NTSC, PAL, ATSC
Inputs:	(1) Composite; (2) S-Video; (1) Component; (2) HD-R (Pr), G (Y), B (Pb), H, V; (2) HDMI with HDCP
Outputs:	HDMI with HDCP
Control Options:	Discrete infrared remote, (1) RS-232 9 pin connector
RS-232 Communication Parameters:	19200 bps, no parity, 8 data bits, 1 stop bit, no flow control
Screen Trigger/Masking Outputs:	(3) +12 VDC, each rated at 750 mA and thermal fuse-protected
Bandwidth:	150 Mega Samples per Second (MSPS)
Power Requirements:	100 to 240 VAC (auto-sensing), 50/60 Hz, 160 Watts
Operating Environment:	40°F to 95°F (5°C to 35°C), 0% to 90% humidity (non-condensing)
Dimensions:	Width: 17.50 inches (444.5 mm) Depth: 11.19 inches (284.1 mm) Height: 3.75 inches (95.3 mm) Weight: 13.0 lbs. (5.90 kg)
Regulatory Approvals:	FCC, CE, C-Tick
Limited Warranty:	(2) years parts and labor from the date of delivery to the end user

CineWide™ and CineWide with AutoScope™

Until now, viewing movies presented in the CinemaScope™ 2.35:1 format has meant the presence of useless black bars on the top and bottom of your screen. It has also meant a possible loss of resolution because widescreen digital imaging chips are in the 16:9 widescreen aspect ratio, not nearly as wide as 2.35:1.

Through the magic of our award winning CineWide and CineWide with AutoScope technology and the use of an appropriate screen, constant vertical height is maintained, filling the entire screen area. When you transition from a standard 16:9 (1.78:1) widescreen aspect ratio to 2.35:1 Cinema, the picture simply gets wider—really wide, just as you would experience in a quality cinema.

While CineWide provides a fixed anamorphic lens, with the AutoScope option the anamorphic lens in motorized and remote controlled.

Conventional Method
A conventional 2.35:1 image displayed on a 1.78:1 (16:9) screen.

IMAGE AREA

Black bars = lost resolution

CineWide™ Technology
Constant Vertical height and full resolution are maintained. 100% of pixels are used. Black bars are eliminated.

16:9 IMAGE AREA

2:35:1 image area

How it works:
The video processor anamorphically "stretches" the 2.35:1 image vertically to completely fill the display's imaging chip's. This allows all pixels to be used.

2.35:1 Image on a 16:9 imaging chip

16:9 Image Area

VERTICAL STRETCH REMOVES BLACK BARS

SQUEEZED APPEARANCE

The anamorphic lens then "stretches" the image width to 2.35:1. Correct geometry is restored, while 100% of the pixels are now used to maintain full resolution and eliminate black bars.

STRETCH

CineWide and CineWide with AutoScope requires the use of a 2.35:1 or similar aspect ratio superwide screen.

IMAGIX DIGITAL VIDEO

CINEWIDE

isf Engineered for ISF® calibration.

Installer ID Dependent

THX

Vidikron
2900 Faber Street
Union City, CA 94587
510-324-5900
Fax 510-324-5905
www.vidikron.com

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